

DISTRICT STRUCTURAL ENGINEER
OPEN EXAMINATION - STATEWIDE
7PB42

STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES



SALARY RANGE: \$8,097 – \$9,842*

FINAL FILING DATE: CONTINUOUS

***RECRUITMENT AND RETENTION PAY DIFFERENTIAL**

In addition to the salary referenced above, the state shall provide a Recruitment and Pay Differential of three hundred dollars (\$300) per month to all employees in the class.

IT IS AN OBJECTIVE OF THE STATE OF CALIFORNIA TO ACHIEVE A DRUG-FREE STATE WORK PLACE. ANY APPLICANT FOR STATE EMPLOYMENT WILL BE EXPECTED TO BEHAVE IN ACCORDANCE WITH THIS OBJECTIVE SINCE USE OF ILLEGAL DRUGS IS INCONSISTENT WITH THE LAW OF THE STATE, THE RULES GOVERNING CIVIL SERVICE AND THE SPECIAL TRUST PLACED IN PUBLIC SERVANTS.

WHO MAY APPLY

This is an OPEN STATEWIDE examination for the Department of General Services. Anyone who meets the minimum qualifications as stated below may apply. Applications will not be accepted on a promotional basis. Career Credits do not apply.

HOW TO APPLY

The Application and the Training and Experience Evaluation will be available on a continuous basis on the Internet. Applicants will respond to questions regarding their ability to meet minimum qualifications, provide their contact information, and take the Training and Experience Evaluation on the Internet.

DO NOT SUBMIT A STATE APPLICATION FORM. THE APPLICATION FORM FOR THE DISTRICT STRUCTURAL ENGINEER EXAMINATION IS CONTAINED IN THE INTERNET PROCESS.

If you do not have Internet access, there are public access Internet terminals in over 150 California public libraries. Contact your local library for information as to where the nearest Internet terminal is located and the policies related to usage. **DO NOT** contact the State Personnel Board or the Employment Development Department for this information. The State Personnel Board and the Employment Development Department do not maintain an up-to-date list of library locations.

Please note: The State Personnel Board Service Center, located at 801 Capitol Mall, Sacramento, CA, has Internet terminals that are available for public use at no cost.

For more information, contact the Service Center at (916) 653-1705.

If you are not familiar with the Internet, you may have a friend or family member assist you. You may apply and take the examination on the Internet by connecting to:

http://www.spb.ca.gov/jobs/exams/exam_start.htm

Follow the on-line instructions. **Please note: the Internet system will be unavailable on Tuesdays between 7:00 a.m. and 1:00 p.m., Pacific Standard time, for processing and maintenance. DO NOT** begin the application process on the Internet during this time as your record will NOT be processed. It takes approximately one hour to complete the Application and the Training and Experience Evaluation on the Internet. If you begin the examination before 7:00 a.m., be sure to allow sufficient time to complete the process.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special testing arrangements, call the State Personnel Board's Examination and Selection Services Section at (916) 653-1502, Telecommunications Device for the Deaf (TTY) (916) 654-6336, or via California Relay (Telephone) Service for the deaf or hearing impaired: from TTY phones: 1-(800) 735-2929, for voice phones: 1-(800) 735-2922.

**REQUIREMENTS
FOR ADMITTANCE
TO THE
EXAMINATION**

NOTE: All applicants must meet the education and/or experience requirements as stated on this examination announcement. Candidates must meet these requirements at the time they apply.

**COMPETITION
RESTRICTIONS**

Competitors, who are eliminated for not meeting the minimum requirements as stated on this examination bulletin, may reapply when the entrance requirements are met. Unsuccessful competitors who do not attain a minimum rating of 70% must wait 12 months from the date of disqualification before reapplying.

Successful competitors establishing list eligibility for 12 months are restricted from re-applying again during the 12 month eligibility period.

**ELIGIBLE LIST
INFORMATION**

An open merged eligible list will be established for the Department of General Services. The names of successful competitors will be merged onto the eligible list in order of final scores regardless of test date. Eligibility expires 12 months after it is established. Competitors must then retest to reestablish eligibility.

**MINIMUM
QUALIFICATIONS**

Possession of a valid certificate to use the title of "Structural Engineer" under the statutes regulating the practice of civil engineering in California.

And

Experience: Five years of experience structural engineering experience involving the performance of increasingly complex duties, including one or a combination of the following:

1. One year of experience equivalent in responsibility to that of a Senior Structural Engineer in charge of major structural design, which shall have included experience in construction work.

Or

2. One year of responsible experience equivalent in responsibility to that of a Senior Structural Engineer in checking of plans for schools, hospitals, or public District buildings which shall have included experience as a field supervisor of school, hospital, or public building construction work.

And

Education: Equivalent to graduation from college with major work in civil or architectural engineering. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)

NOTE: POSSESSION OF A VALID LICENSE TO USE THE TITLE OF "STRUCTURAL ENGINEER" IS REQUIRED TO PROCEED WITH THE INTERNET EXAMINATION PROCESS.

THE POSITION

Under general direction in an assigned district, to have charge of difficult and complex field structural engineering work relating to the design and inspection of school, hospital and State buildings and other structures or groups of structures; and to do other related work. **Positions are located Statewide.**

**TRAINING AND
EXPERIENCE
EVALUATION**

The examination will consist of Training and Experience Evaluation weighted 100%. In order to obtain a position on the eligible list, a minimum rating of 70% must be attained.

A. Knowledge of:

1. Graphostatics and stress analysis;
2. Strength, properties, and uses of the materials of building construction;
3. Specifications, loadings, and building codes applying to buildings and other structures;
4. Soil mechanics applying to building construction;

B. Skill in:

1. Reviewing and judging the quality of office and field structural engineering work.

C. Ability to:

1. Make technical investigations of and recommendations on structural engineering problems;

2. Meet and deal effectively with and win the confidence and respect of public officials, architects, engineers, contractors, and others contacted in connection with the enforcement of regulations relating to structural design of schools, hospitals, and public buildings;
3. Analyze situations and adopt an effective course of action;
4. Prepare technical specifications and write comprehensive but concise reports;

**SPECIAL
PERSONAL
CHARACTERISTICS**

Willingness to travel; tact.

**VETERANS'
PREFERENCE**

Veterans' Preference Credit will not be granted in this examination since it does not qualify as an entrance examination under the law.

GENERAL INFORMATION

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described on the other side of this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

The Department of General Services reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with the civil service law and rules and all competitors will be notified.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant as determined by the departmental testing office. Ordinarily, interviews are scheduled in Sacramento, San Francisco and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire from one to four years unless otherwise stated on this bulletin.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open exams investigation may be made of employment records and personal history--fingerprinting may be required.

Interview Scope: If an interview is conducted, in addition to the scope described on this bulletin, the panel will consider education, experience, personal development, personal traits, and fitness. In appraising experience, more weight will be given to the depth, breadth and recency of pertinent experience and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of his/her experience. Evaluation of a candidate's personal development will include consideration of his/her efforts toward self-development.

Veterans' Preference: If this examination is an entrance examination as defined in Government Code Section 18973.5, veterans' preference credits will be added to the final score of all competitors who are successful in this examination and who qualify for, and have requested these points. Due to changes in the law, which were effective January 1, 1996, VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS' CREDITS. Directions for applying for veterans' preference are on the Veterans' Preference Application form which is available from the State Personnel Board office and the Department of Veterans Affairs, P. O. Box 1559, Sacramento, CA 95807.

High School Equivalence: Equivalent to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) Test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.

CALIFORNIA DEPARTMENT OF GENERAL SERVICES ♦ OFFICE OF HUMAN RESOURCES
MAILING ADDRESS: P.O. BOX 989052 ♦ West Sacramento, CA 95798-9052 ♦ Telephone (916) 376-5400
STREET ADDRESS: 707 Third Street, 7TH Floor ♦ West Sacramento, CA 95605

TDD is a Telecommunications Device for the Deaf and is reachable only from telephones equipped with a TDD device.
California Relay (Telephone) Service for the Deaf or Hearing Impaired:
From TDD phones 1-800-735-2929 ♦ Voice 1-800-735-2922

